

CLAIMS

1. Method for introducing vertical built-in parts into structures erected with a sliding formwork, particularly in annular concrete walls, characterized in that the vertical built-in parts (5) are provided with guide bolts (21) prior to placing in an open area of the sliding formwork (9), e.g. between two formwork panels (30), that the sliding formwork (9) is guided in slide fastener-like manner with a guide opening (22) during the vertical adjustment on the guide bolt (21) and the vertical built-in parts (5) are brought into a planar position flush with the wall surface in accordance with the conicity of the concrete wall (3) and that at the latest following the completion of the concrete wall (3) the guide bolts (21) are separated from the vertical built-in parts (5).
2. Method according to claim 1, characterized in that the vertical built-in parts (5) are constituted by narrow, high metal plates and are anchored in the concrete wall (3) with anchoring elements (7).

3. Method according to one of the claims 1 or 2, characterized in that
the guide bolts (21) are fixed with the aid of welded joints on the front of the vertical built-in parts (5) facing the sliding formwork (9) and are removed again by flame cutting following the installation of the vertical built-in parts (5).
4. Method according to one of the preceding claims, characterized in that
the guide bolts (21) fixed to the vertical built-in parts (5) in longitudinally directed, uniformly spaced manner, are engaged behind by guide anglepieces (23) forming the guide opening (22) of the sliding formwork (9).
5. Method according to one of the preceding claims, characterized in that
as vertical built-in parts (5) are installed metal plates with a height of up to approximately 5 m and during the sliding in with the aid of a device (20) positioned above the sliding formwork (9), particularly above a sliding frame (13, 14), are oriented in the built-in position.
6. Device for introducing vertical built-in parts into structures, particularly into annular concrete walls, with a sliding formwork (9), whose inner formwork (10) and outer formwork (11) are connected to and vertically adjustable with a sliding frame (13, 14), particularly for performing the method according to one of the preceding claims, characterized in that
for a surface-flush introduction of the vertical built-in parts (5) at least in an open area of the inner formwork (10) and/or outer formwork (11) guide anglepieces (23)

are provided, accompanied by the formation of a vertically oriented guide opening (22), for the guide bolts (21) temporarily fixed to the vertical built-in parts (5) and are fixed to at least two clamping devices (19) of the sliding formwork and that the built-in parts (5) are marginally held on the inner formwork (10) and/or outer formwork (11) with the aid of clamping devices (19).

7. Device according to claim 6, characterized in that the guide anglepieces (23) are mirror symmetrically arranged and are constructed on both sides of the guide opening (22) for a slide fastener-like back-engagement of the guide bolts (21) temporarily positioned on the vertical built-in parts (5).
8. Device according to claim 6 or 7, characterized in that the guide anglepieces (23) extend at least over the height of the formwork panels (30) of the inner formwork (10) and/or outer formwork (11).
9. Device according to one of the claims 6 to 8, characterized in that the clamping devices (19) in each case have a U-shaped shoe (24) and the guide anglepieces (23) are connected in the area of vertical legs (25) with the U-shaped shoe (24), e.g. by welded joints.

10. Device according to one of the claims 6 to 9, characterized in that each of the clamping devices (19) has a base plate (28), which is connected, particularly welded to the U-shaped shoe (24) in the area of a horizontal leg (26).
11. Device according to claim 10, characterized in that the base plate (28) is constructed for embracing a formwork ring (29) and for bracing with the aid of a clamping bolt (33) and by means of the guide anglepieces (23) and guide bolts (21) the vertical built-in part (5) can be brought into a tight, marginal engagement on the formwork panels (30).
12. Device according to one of the claims 6 to 11, characterized in that each of the clamping devices (19) is connected in the area of its base plate (28) to the vertically arranged yoke feet (14) of the sliding frame.
13. Device according to one of the claims 6 to 12, characterized in that above the horizontally arranged yoke supports (13) of the sliding frame is in each case arranged a device (20) for orienting the vertical built-in part (5).